

Infrared Thermometry (Hand-held Measuring Instruments)

Targeting - Measuring - Reading !

When it comes to temperature measurement technique and provided that a combination of simplest control and high measurement accuracy is required, then infrared thermometers will always be the first choice. This choice becomes a must, if one of the following requirements are given :

- ❖ Deterioration-free measurement of moving components.
- ❖ Measurement of dangerous matter (e.g. electrically live parts, chemically aggressive materials etc.).
- ❖ Measurement in inaccessible locations
- ❖ Feedback-free measurement of small low-mass components.

Without infrared thermometers these measurements are almost unthinkable. In such case, nothing is easier as operation according to the motto: **targeting - measuring - reading the measurement value.**

In any area of non contact temperature measurement, Vaiseshika offered infrared thermometers are reliable partners due to the following features: **fully developed laser sight technology, very good optical characteristics, and modern technology with adjustable emissivity, data memory, and numerous additional functions.**

MaxiTemp Series

To create a high-performance temperature recording and monitoring system, you only need the software package DataTemp Mx and a PC. Temperatures measured by MaxiTemp 24 are transferred to the PC via RS 232, where data are monitored and evaluated graphically or in tabular form of a company-specific test protocol. Another highlight of the software package is the user-specific setting of the MaxiTemp-measurement data memory. You can program the alarm limit values, the emissivity, the material, and the number of measurement locations for every measurement point. Continuous measurement value recording and determination of temperature for preventive

maintenance becomes an easy task with MaxiTemp, PC and software.

PhotoTemp Series

PhotoTemp provides the excellent technical parameters for which the Vaiseshika offered infrared thermometers are well-known. **The capturing of digital images is a great addition to the popular measured value saving feature of the MaxiTemp instrument series.**

The precision infrared thermometer with integrated digital camera measures temperatures while digitally photographing the measured area. This provides the user with the ideal tool for measuring and recording temperatures and locations. The intricate laser sighting

system enables the exact recording of the measured area on the image.

Together with the actual measurement, PhotoTemp saves the digital photos and records the location and the time /date of the measurement, as well as other individually definable values on each image. Up to 100 measurements and images can be saved at the handheld instrument and then downloaded onto a PC via the USB interface.

Once on the computer, the images can be viewed, analysed, saved and processed for measurement reports. This ensures tamper-proof digital images which cannot be manipulated in any way.

The integration of PhotoTemp images in various documents (Word, Excel, email) ensures the

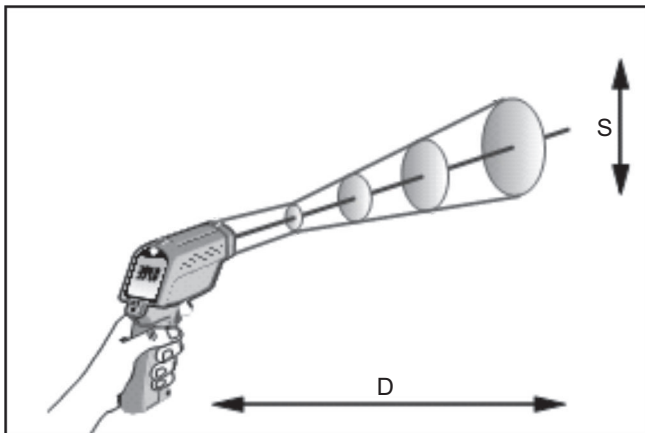
quick-and- easy documentation of inspections or errors and the simple transfer of information.

Products, machines and system components can be continuously monitored with the aid of the PhotoTemp temperature monitor feature which captures real-time images as soon as the upper or lower temperature alarm barrier is exceeded. A viewfinder is not required for the camera since the laser sighting system pinpoints the center of the image. Two symbols facilitate close-up distance and far distance settings. The built-in flash is automatically activated when a photo is taken in dark or low light locations.



MaxiTemp

Hand-held measuring instruments for non contact temperature measurement



Specification	Dual Laser Infrared 42512	Dual Laser Infrared 42570
Configuration	LC-Display, LOW-Bat.-, HOLD-function, min/max-data-store, backlight, laser /ON/OFF, tripod mount, Graphic display for 10 measurement results, LO- and HI-Alarm (buzzer)	
	---	Indication of average and difference, Data store for 100 values, Sensor type K
Measuring range	-50...1000 °C	-50 ... 2200 °C
Sight	2-point-circle-laser	3-point-circle-laser
Optical resolution	30:1 (distance/spot size)	50:1
Output	---	serial interface USB and 1 mV / °C
Spectral range	8...14 µm (universal)	
Resolution	---	0.1 °C or 1 °C
Accuracy	<500°C +/- (2%v.M.+2°C) >500°C +/- (3%v.M.+1°C)	+/- 1% To +/- 5% of Reading or +/- 2.5°C
Emmisivity	adjustable 0.10...1.00 internal material list	
Temperature units	°C / °F (switchable)	
Power supply	9 V battery	
Dimensions	146x104x43mm	200 x 230 x 50 mm (WxHxD)
Weight	163g	320g
Accessory	battery	data cable, software, and sensor